



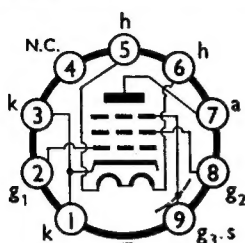
# R.F. SHORT BASE PENTODES INDIRECTLY HEATED

## Z759 Z359

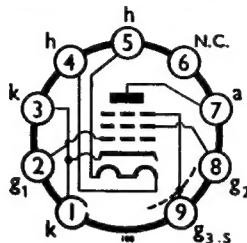
AUGUST, 1955

A high slope valve primarily designed for use as a video amplifier and for wide-band amplifiers.

### BASE CONNECTIONS AND VALVE DIMENSIONS



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View from underside of base.

Base : B9A

Bulb : Tubular

Overall length : 49—55 mm.

Seated length : 43—49 mm.

Diameter : 22 max. mm.

### HEATERS

	Z759	Z359	
$V_h$	6.3	12.6	V
$I_h$	0.6	0.3	A

### MAXIMUM RATING (design centre)

$V_a$	300	V
$V_{g2}$	250	V
$V_{h-k \text{ pk}}$	150	V
$P_a$	5	W
$P_{g2}$	1.5	W

### CHARACTERISTICS

$V_a$	250	V
$V_{g2}$	250	V
$I_a$	20	mA
$I_{g2}$	5.25	mA
$V_{g1}$	—2	V
$g_m$	15	mA/V
$r_a$	0.5	MΩ

### CAPACITANCES (of cold screened valve)

$C_{g1-a}$	0.007 pF	$C_{in}$	13 pF	$C_{out}$	2.5 pF
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### MOUNTING

Any position.

### SCREENING

A separate external screening canister should be used.

### RETAINING

The use of a retaining device is recommended.

### VENTILATION

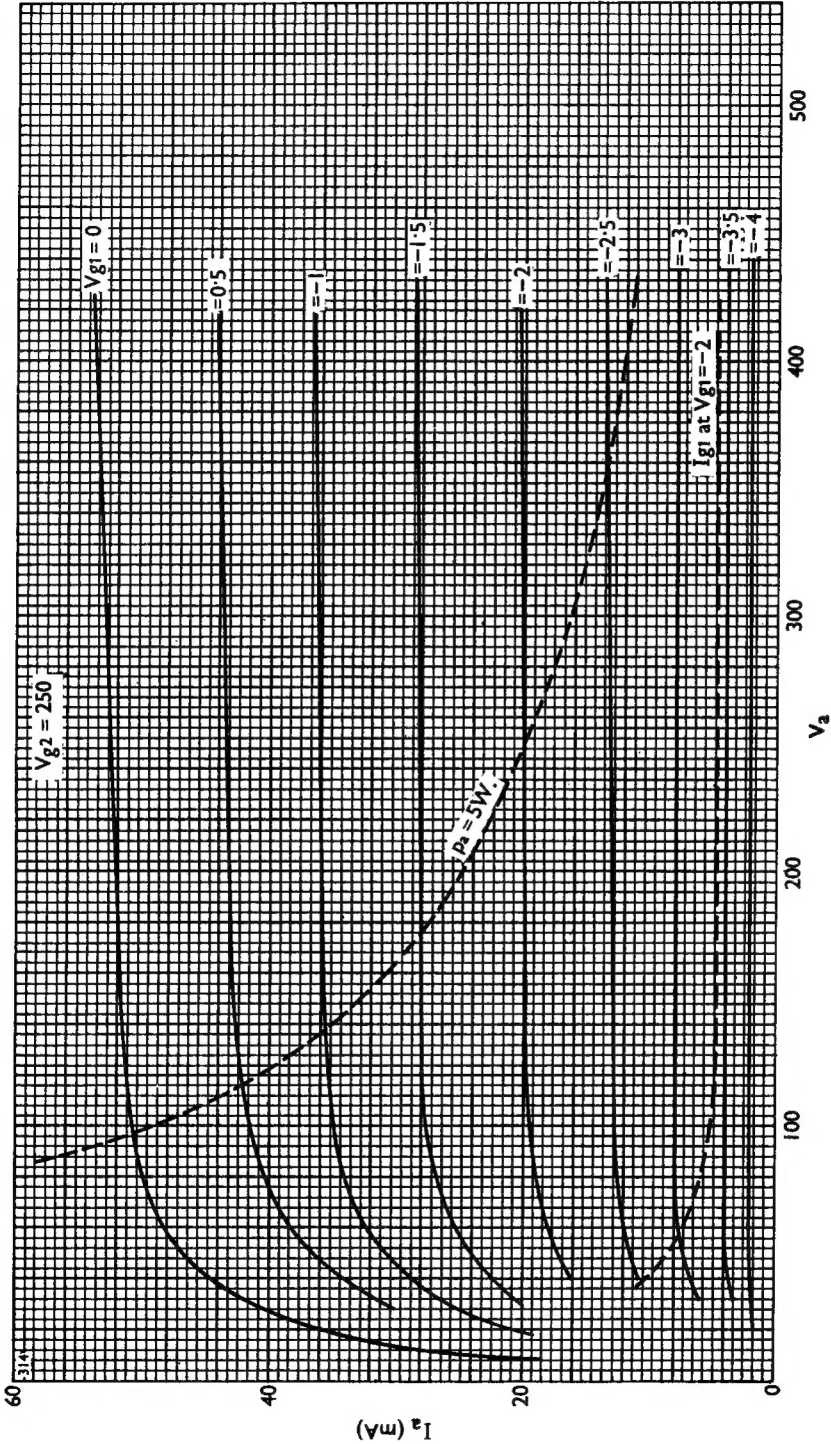
Free air circulation around the bulb is preferable. If a retaining device in the form of a canister is used the surfaces should be blackened. The temperature of the hottest part of the bulb must not exceed 250°C.

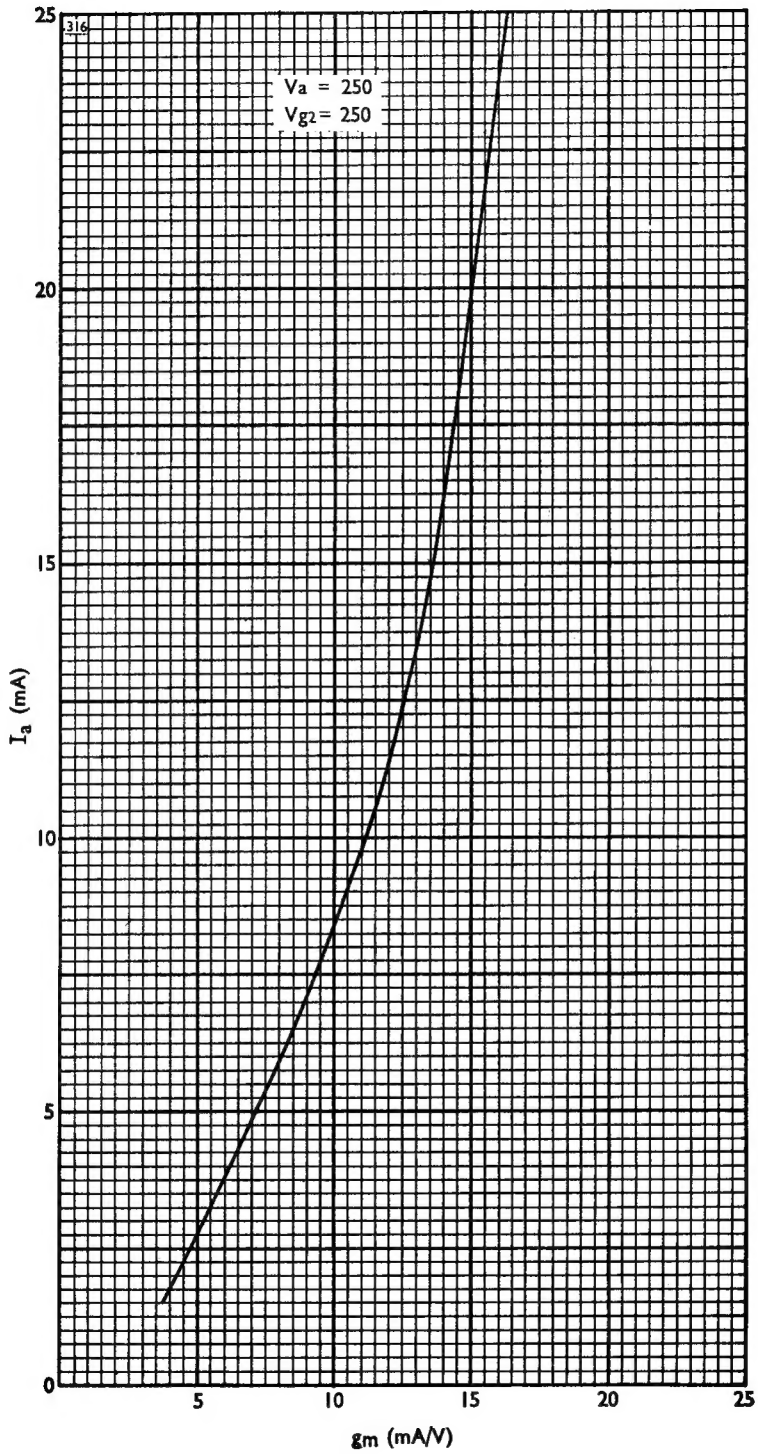
### MICROPHONY

This type is free from microphony in most applications, but checks should be made under maximum gain conditions of the equipment.

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